

DP-308386

**OVER MOLDED
MOTOR STATOR STRUCTURE**

ABSTRACT OF THE DISCLOSURE

An over molded motor stator structure and an over molded motor prepared with the over molded stator structure includes a stator assembly including a bobbin assembly around which a coil is wound assembled to a stator

5 core comprising a plurality of stator laminations having an internal diameter and an external diameter. The stator assembly is encapsulated by a unitizing material which forms an over molded motor stator structure including an integral unitized stator assembly and a molded main body. The stator assembly is encapsulated such that the internal diameter and the external diameter of the

10 stator laminations is exposed—that is, not covered or encapsulated by the unitizing material.